

The human papillomavirus E6 protein targets apoptosis-inducing factor (AIF) for degradation

Masaru Shimada^{1*}, Akio Yamashita², Manami Saito¹, Motohide Ichino³, Takao Kinjo⁴, Nobuhisa Mizuki⁵, Dennis M. Klinman⁶ & Kenji Okuda¹

¹Department of Molecular Biodefense Research, Yokohama City University, Yokohama 236-0004, Japan

²Department of Molecular Biology, Yokohama City University, Yokohama 236-0004, Japan

³Department of Immunology, Yokohama City University, Yokohama 236-0004, Japan

⁴Division of Morphological Pathology, Department of Basic Laboratory Sciences, School of Health Sciences, University of the Ryukyus, Okinawa 903-0215, Japan

⁵Department of Ophthalmology and Visual Science, Yokohama City University, Yokohama 236-0004, Japan

⁶Frederick National Laboratory for Cancer Research, National Cancer Institute, NIH, Frederick, MD 21702, USA

Figure S1. Binding of E6 to AIF, Related to Figure 2

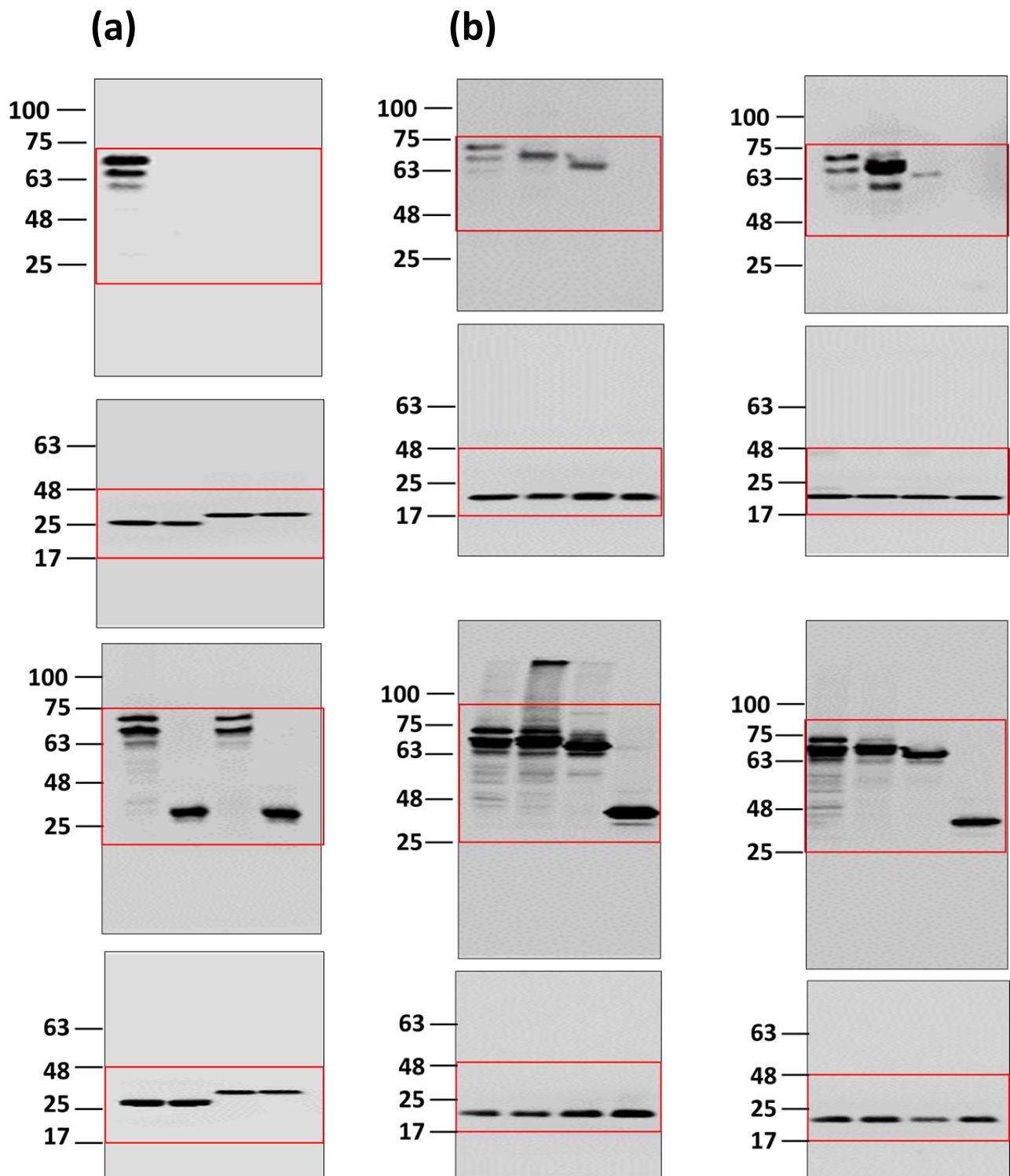


Figure S2. E6 binds to the FAD domain of AIF. Related to Figure 3b

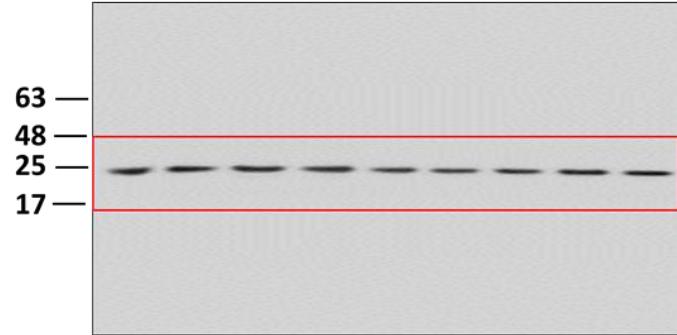
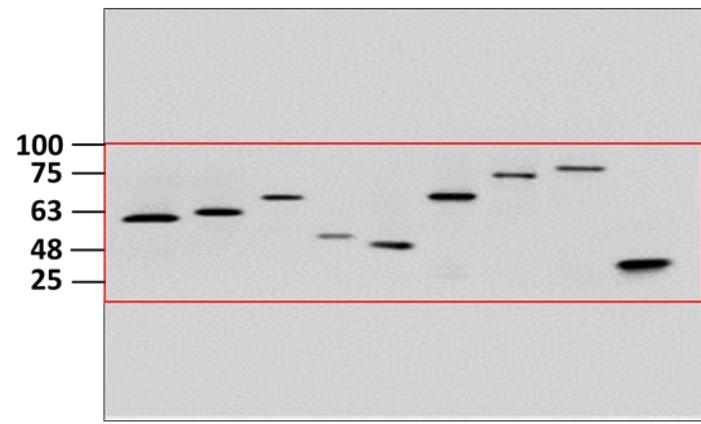
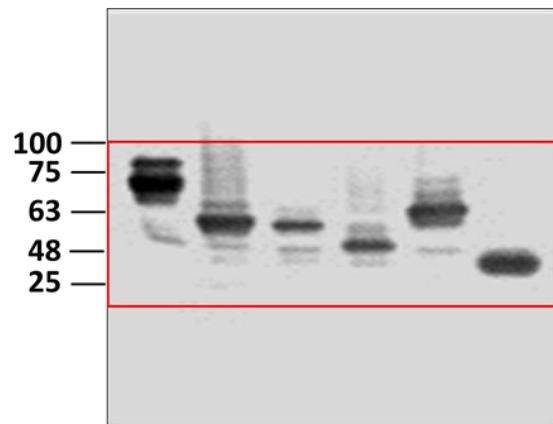
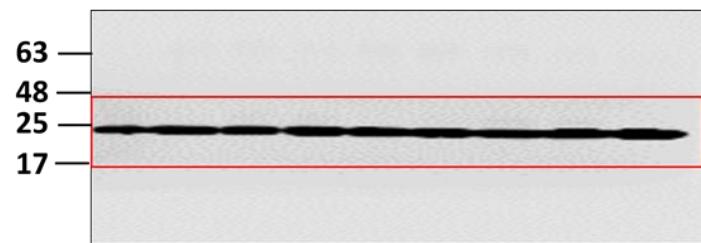


Figure S3. Proteasomal degradation of AIF induced by E6. Related to Figure 5

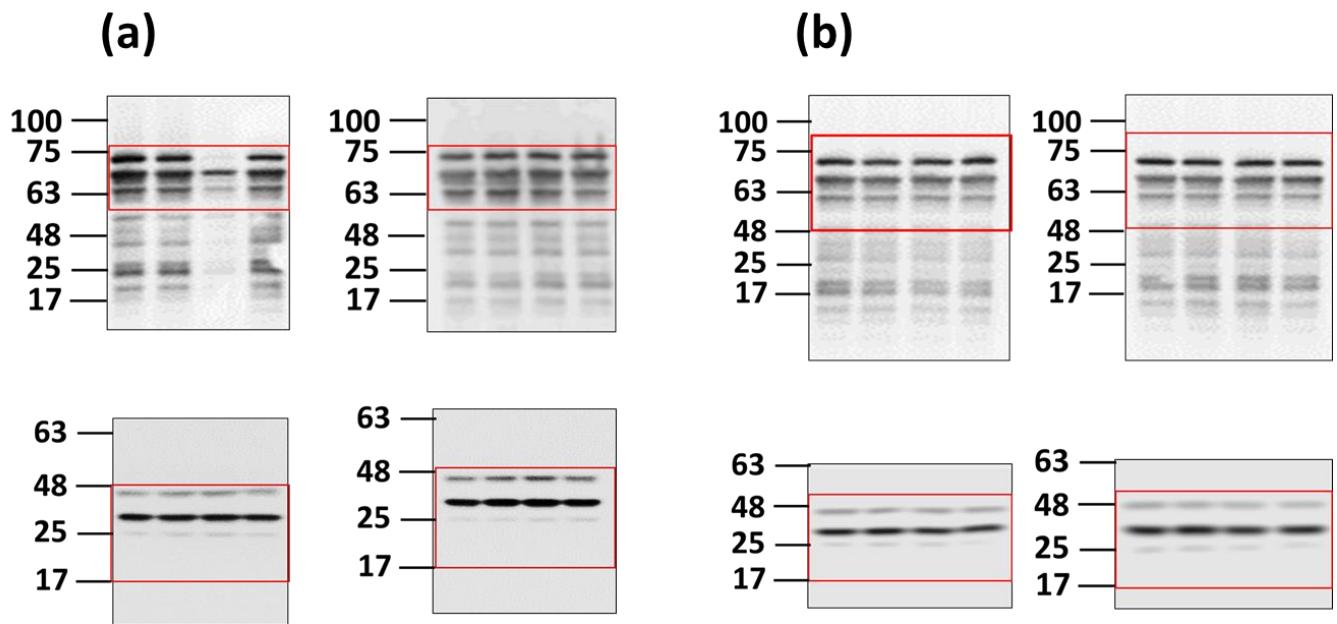


Figure S4. Alignment of HPV E6 proteins among genotype. Alignment was performed using the ClustalW software.

